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Exploring the relationship between learning styles, students behaviors in a class and academic achievements of students in the department of machinery in vocational schools

Chen, Chin-Pin; Lee, C.-Y. ; Tsai, P.-L.

Abstract

The research investigated the learning styles, students behaviors in a class and academic achievements of students in the department of machinery in vocational schools by correlation analyses. The participants consist of 553 machinery students in grades 3 in vocational high school in Taiwan who were selected by stratified proportional sampling. The participation rate for completed questionnaires was 95.34%. Data was gathered through questionnaire survey. Results showed those machinery students in vocational high school who have higher converging learning styles, the higher class students' behavior; the higher converging learning styles, the better academic achievement in Mathematics and science subjects; the more positive self-fulfillment, the better academic achievement in language.

Key words: Academic achievement; Learning style;
Students behavior in class